

Title (en)

NOZZLE CLEANING METHOD AND NOZZLE CLEANING STRUCTURE FOR ATOMIZATION APPARATUS

Title (de)

DÜSENREINIGUNGSVERFAHREN UND DÜSENREINIGUNGSANBAU FÜR ATOMISIERUNGSGERÄT

Title (fr)

PROCÉDÉ DE NETTOYAGE DE BUSE ET STRUCTURE DE NETTOYAGE DE BUSE POUR APPAREIL D'ATOMISATION

Publication

**EP 3320982 A1 20180516 (EN)**

Application

**EP 17200252 A 20171107**

Priority

JP 2016222643 A 20161115

Abstract (en)

Backwashing is used for easily eliminating clogging of a nozzle member (9). In high-pressure jetting, an inflow piping is connected with a first channel opening (10) and an outflow piping is connected with a fourth channel opening (12) to draw in pressurized fluid through the first opening first (10) toward the fourth channel opening (12). In backwashing, the inflow piping is connected with the fourth channel opening (12) and the outflow piping is connected with the first channel opening (10) to draw in pressurized fluid through the fourth channel opening (12) to the first channel opening (10), so as to expel material particles that are to clog a channel of a nozzle member.

IPC 8 full level

**B05B 15/531** (2018.01); **B01F 25/46** (2022.01); **B02C 19/06** (2006.01); **B05B 7/14** (2006.01); **B05B 15/18** (2018.01); **B05B 15/55** (2018.01)

CPC (source: EP)

**B05B 15/18** (2018.01); **B05B 15/531** (2018.01); **B02C 19/06** (2013.01); **B05B 7/1481** (2013.01); **B05B 15/55** (2018.01)

Citation (applicant)

- JP 2005144329 A 20050609 - SUGINO MACH
- JP S5021234 B1 19750721

Citation (search report)

- [X] WO 2013158209 A1 20131024 - NORDSON CORP [US]
- [AD] JP 2005144329 A 20050609 - SUGINO MACH
- [A] US 2004245357 A1 20041209 - KARASAWA YUKIHIKO [JP]
- [A] US 2015298074 A1 20151022 - RICCI ALFREDO [IT]

Cited by

CN109759250A; CN111420831A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3320982 A1 20180516**; CN 108067387 A 20180525; JP 2018079417 A 20180524; JP 6614554 B2 20191204

DOCDB simple family (application)

**EP 17200252 A 20171107**; CN 201711024705 A 20171027; JP 2016222643 A 20161115